

"INSECT ATTRACTION AND CAPTURE DEVICE"

I CLAIM:

1. An apparatus adapted for capturing target insect species, comprising a bottom portion for attracting the target insect species and directing them toward and into a top portion for the capture thereof;

said bottom portion comprising a plurality of elements cooperating along longitudinal axes thereof to form at least two essentially planar fins extending axially from said longitudinal axes and upwardly from wider bases to narrower apices, the bases cooperating at the lower end of said apparatus to maintain it positionally stable while resting thereon at or near the ground, the fins further cooperating to form at least one channel narrowing from the wider bases thereof to the narrower apices thereof at the upper end of said bottom portion, said bottom portion being predominantly of a color which reflects light having a wavelength which attracts the target insect species;

said top portion of said apparatus comprising an enclosed chamber except for an entrance opening thereinto positioned over and surrounding the upper end of said bottom portion such that no portion of the entrance opening touches said fins and further such that said at least one channel terminates within said chamber.

2. The apparatus of claim ¹³~~1~~ wherein said target insect species is the stinkbug.

3. The apparatus of claim ¹³~~1~~ wherein said ~~planar~~ fins are triangular in shape.

4. The apparatus of claim 3 wherein the angles of said fins opposite the longitudinal axis measure between about 60° and 80°.

5. The apparatus of claim 3 wherein said planar fins are essentially right triangles joined at the longest side which is not the hypotenuse such that the shortest sides form the base of the bottom portion of the apparatus and the apexes opposite said shortest sides form the upper end of said bottom portion.

6. The apparatus of claim 3 having four triangular fins.

7. The apparatus of claim ¹³~~1~~ wherein said pre-dominant color is one which reflects about 15% of the incident light in a wavelength of from about 300 nm to about 500 nm and about 55-70% of the incident light in a wavelength of from about 500 nm to about 750 nm.

7 1 8. The apparatus of claim 1¹³ wherein said bottom
2 portion has a height of from about 30 to about 120 cm.

7 1 9. The apparatus of claim 1¹³ wherein the base of
2 said bottom portion contains means for anchoring said appa-
3 tus to the ground.

7 1 10. The apparatus of claim 1¹³ wherein interior and
2 exterior surfaces of said ^{receptacle} ~~chamber~~ comprising said top portion
3 are predominantly of a color which reflects light having a
4 wavelength which neither attracts nor repels the target insect
5 species.

1 ~~11. The apparatus of claim 1 wherein said top por-~~
2 ~~tion comprises a material of construction which admits ambient~~
3 ~~exterior light into the interior of said chamber.~~

sub
H2 1 12. The apparatus of claim 11 wherein said material
2 of construction is screening which is impervious to the pass-
3 age therethrough of the target insect species.

add
H1